

ZENECA REPORT OF LABORATORY EXAMINATION
February 10, 1994

CELLMARK
DIAGNOSTICS

FEB 10 2 20 PM '94

*Please file
Downing*

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Re: Cellmark Case No. F931286
Your Case No. 930121-0372

It was previously stated in the Report of Laboratory Examination dated November 12, 1993, that using the four single-locus probes MS1, MS31, MS43, and g3, a DNA banding pattern obtained from the vaginal swab (item 5) was similar to the DNA banding pattern obtained from the blood swatch labelled Curtis Downing, and that further testing was ongoing.

Additional testing was performed using the single-locus probe YNH24 (D2S44). Using the five single-locus probes, the DNA banding pattern obtained from the vaginal swab contains a DNA banding pattern which matches the DNA banding pattern obtained from the blood swatch labelled Kristie Chiles and a second DNA banding pattern. This second DNA banding pattern contains nine bands which match nine of the ten bands in the DNA banding pattern obtained from the blood swatch labelled Curtis Downing. The inability to visualize other bands in the DNA banding pattern obtained from the vaginal swab may be due to technical limitations.

Using the five single-locus probes sequentially, the approximate frequencies in the Caucasian, African American, and Western Hispanic populations of the nine bands common to the DNA banding pattern obtained from the vaginal swab and the blood swatch labelled Curtis Downing are as follows:

<u>Population data base</u>	<u>Frequency</u>
Caucasian	1 in 48 billion
African American	1 in 4.5 billion
Western Hispanic	1 in 1.2 billion ✓

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used